

Welcome to "Little Bits to Big Ideas"

Lab 10: Real software projects

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Github and related tools

github.com is the most popular **developer platform**

It stores:

- Code
- Documentation
- History of every change
- Draft changes not yet accepted
- Requirements, implemented and not
- Discussions of design, risks, future directions, ...



Github terminology

- **Issue**
 - Named after word for possible bug (waterfall maintenance)
 - Used for scrum backlog (one story per issue)
 - Comment thread also has design, risk analysis
- **Pull Request**
 - A request for the owners to pull someone's change into the code
 - Each includes conversation and code change
- Nothing ever deleted; all versions ever visible as **commits**





Github terminology, continued

- An **open** issue or pull request is still being considered
- A **closed** issue or pull request is done being considered
 - A **merged** pull request has been added to the code
 - An **unmerged** pull request was rejected
- Each issue/pull request has a numeric ID
 - Start with 1 and count up over project's life
 - Presented with a hash
 - Issues and pull requests share one pool of IDs







Main tabs we'll use in this lab

☰  PrairieLearn / **PrairieLearn** 🔍  ▾ | +

Code Issues **835** Pull requests **72** Discussions Actions Projects Security and quality

 **PrairieLearn** Public  Watch **14** ▾  Fork **37**

 master ▾   Go to file + **<> Code** ▾

 **zojize** Calculator styles should not affect p1-symbol...   3ca194d · 14 hours ago 

 **.agents/skills** Improvements to app error system ... 2 days ago

Title of issue (link)

Sort by

Current Filter

Filter shortcuts

The screenshot shows the GitHub Issues interface. At the top, navigation tabs include Code, Issues (835), Pull requests (72), Discussions, Actions, Projects, Security and quality, and Insights. Below the navigation is a search bar containing the filter `is:issue state:open`. To the right of the search bar are buttons for Labels, Milestones, and a green 'New issue' button. Below the search bar is a filter bar with 'Open 835' and 'Closed 2,647' buttons, and dropdown menus for Author, Labels, Projects, Milestones, Assignees, Types, and 'Newest'. The main content area displays a list of issues. The first issue is titled 'Firefox v149 issue affecting PrairieLearn/PrairieTest workspaces' with ID #14630, opened 9 hours ago by Mr-Sheep. The second issue is 'Calculator doesn't accept keyboard events in some scenarios' with ID #14624, opened 19 hours ago by jonatanschroeder, and is labeled 'Bug'. The third issue is 'Change assessment links in instructor student page to p' with ID #14622, opened 20 hours ago by jonatanschroeder, and is labeled 'Enhancement'. The fourth issue is 'Display AI grading cost in job progress flash'.

Issue ID and Author of issue

Firefox v149 issue affecting PrairieLearn/PrairieTest workspaces #14630

Open

First comment = issue description



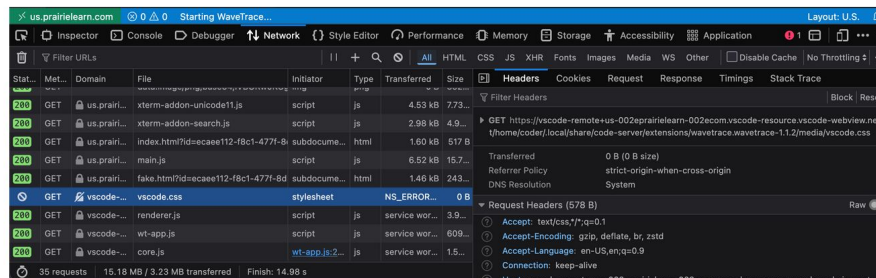
Mr-Sheep opened 9 hours ago

We noticed a bug in the latest version of Firefox (v149.0) that prevents some resources (e.g., extensions) from loading in PrairieLearn/PrairieTest workspaces. This appears to be related to a regression affecting service worker-handled resources. v148 behaved as expected.

Synthetic resource URLs of the form `https://vscode-remote+<encoded-host>.vscode-resource.vscode-cdn.net/...` (which are expected to be intercepted by a service worker and resolved locally) are not consistently intercepted (specifically, css files).

Instead, Firefox attempts to treat the request as a normal network fetch and fails with

`NS_ERROR_GENERATE_FAILURE(NS_ERROR_MODULE_SECURITY, SSL_ERROR_BAD_CERT_DOMAIN)` . see screenshot attached below:



More details can be found in the Mozilla bug tracker: https://bugzilla.mozilla.org/show_bug.cgi?id=2029029



Other comments



jonatanschroeder 4 hours ago

Member

Thanks for reporting. I don't think there's much we can do about it other than instruct users to avoid this browser version. Could you report it to code-server (<https://github.com/coder/code-server/issues>)?

